97-5.

PRENTISS VISES

Inside cover not scanned

PRENTISS

Fifty-second Illustrated Price List of Vises

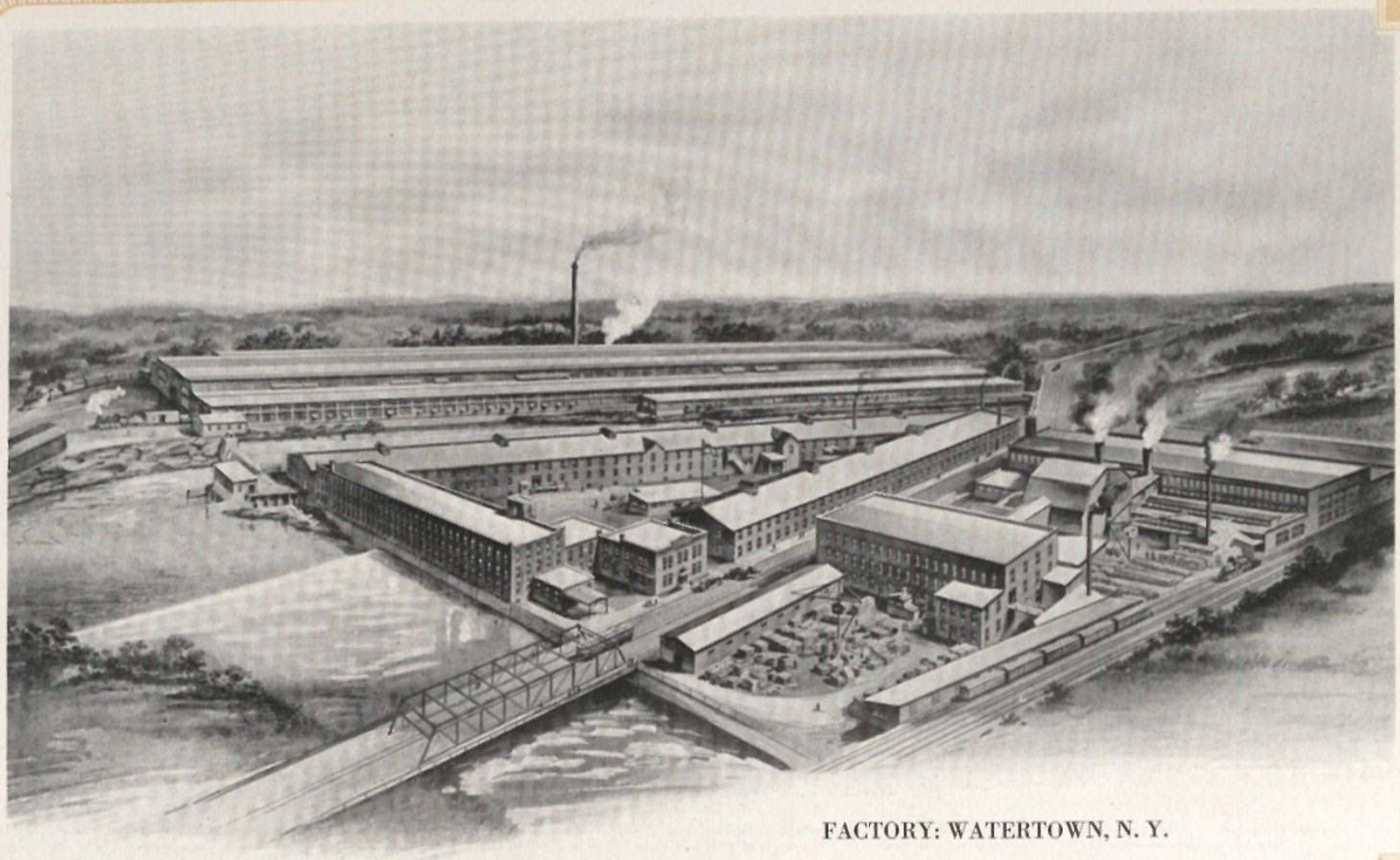
Prentiss Vise Company

106-110 Lafayette St., New York, U. S. A.

Factory: Watertown, N. Y.

VISES

PRENTISS VISES



FACTORY: WATERTOWN, N. Y.

THE essential features of a vise are rigidity, weight, strength, and accurately fitting and smoothly working parts.

Rigidity and weight are required to make effective the effort expended on the work held in the vise. The "Anvil quality," the inertia sufficient to effectively hold a piece of work solidly against a blow, is a most important qualification in a vise, and a suitable mass of iron is just as necessary to supply this inertia as to supply strength against rupture.

The main castings of all Prentiss Vises are made from a mixture of grey iron and steel, the most rigid material commercially available for these castings. All Prentiss Vises are of adequate weight, properly proportioned to size of the vise.

It is, of course, essential that a vise be strong enough to withstand any strain that may legitimately be put upon it. All the materials used in the manufacture of Prentiss Vises have been adopted after thorough experiments and tests to determine their fitness. If we knew of any better materials we would use them.

All parts of a vise must fit accurately and work smoothly to make an efficient tool. The greatest care is exercised in the manufacture of our product to insure that nothing will leave our shop that will not measure up to this essential characteristic.

We have been making vises for over forty years, and our aim has always been to make our vises better than any others.

All Prentiss Vises are absolutely guaranteed against any defect in workmanship or material, and should any imperfection appear in use, the defective part will be replaced free of charge.

The Use and Abuse of a Vise

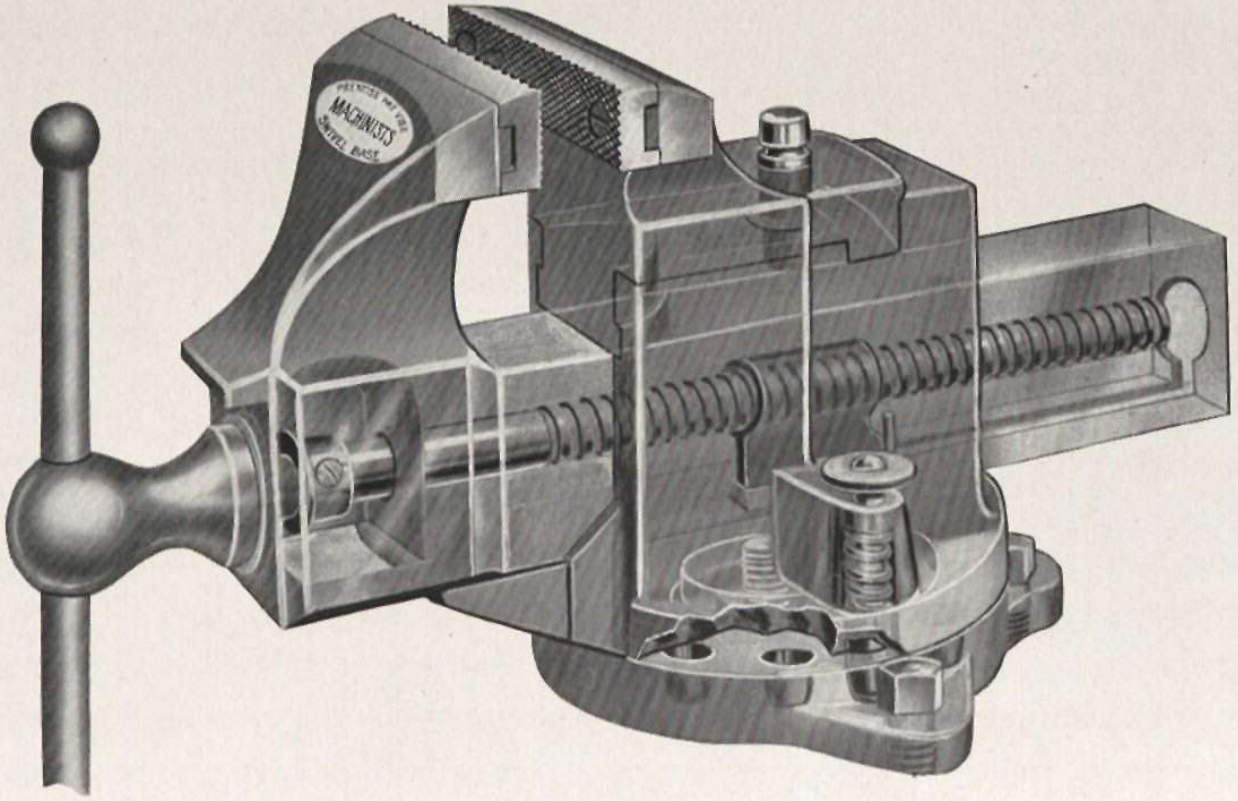
PROBABLY there is no tool in a shop which is subjected to so much unintelligent use as a vise. Most machine tools are put exclusively into the hands of trained men whose education and experience have taught them to know the strength of materials and to closely estimate the strain which may be safely put upon a piece of machinery; and, furthermore, not to exceed that strain unless the exigencies of the occasion demand it, in which case the possibly resulting breakage may be pardonable on the ground of temporary necessity. But a vise is generally at the service of any one who may temporarily have use for it. It has no protection against use which may be so devoid of intelligence as to constitute gross abuse. Unfortunately its functions and design are such as to provide within itself the means for its own destruction, and it is frequently forced into service for which it was not designed or intended. Oftentimes we see it used as a screwpress, which use is quite legitimate so long as the operator is one who knows the maximum pressure it can safely withstand, and who doesn't allow that pressure to be exceeded. But in the hands of the average helper or laborer, such use is generally disastrous. When he reaches the limit of pressure which can be exerted by the lever with which the screw is provided, a piece of gas pipe slipped onto the lever provides the convenient means by which the leverage may be increased almost indefinitely, and a break is pretty likely to follow. One very provoking outcome, if the perpetrator happens to be unobserved, is his releasing the pressure when he feels the vise "give," and thus knows that a fracture has been started, taking his work somewhere else and leaving his damage to be uncovered by the next user of the tool, who truthfully reports that the vise broke under very little strain. Another fruitful cause of breakage is the clamping near one end of a long piece of work which may thus have consid-

erable overhang. Many times the operator, instead of hunting up a stick or other support to keep the free end from dropping, will attempt to hold it by excessive pressure between the vise jaws; and if in that condition the operation may involve any considerable hammering, the service exacted of that vise is most severe. One cause of a minor breakage is the clamping of a hard piece of metal so that the pressure is concentrated upon a small area near the margins or corners of the hardened jaw face; and if the jaw is hardened enough to resist battering or indentation, a piece is almost sure to be broken out, leaving an unsightly notch.

A very common fault with vise users is the failure to keep the screw lubricated. We have seen many vise nuts in which the thread had practically disappeared. The front jaw should be occasionally detached from the vise, turned over, and the screw lubricated its entire working length. When this is done at reasonable intervals, the screw and nut will wear indefinitely.

The use of vises having smooth faces for their gripping jaws is not nearly as extensive as it would be with a better comprehension of their capabilities. For most operations involving filing or light chipping only, smooth jaws will hold the work securely enough, and the necessity for using loose pieces of smooth metal between the jaws to prevent marring finished surfaces is obviated.

Treat your vises as you would treat any good tool in your shop, and your expense for replacements will be negligible.



Internal View Prentiss Patent Self-Adjusting Jaw Vise

The Prentiss Vise

IN the standard solid jaw parallel vise the opposing faces of the vise jaws are parallel. Frequently, however, the opposite surfaces of work which it may be desired to hold in a vise are not parallel, and might come in contact with the gripping surface at only one point, thus providing for a very insecure hold and compelling an excess of pressure between the vise jaws so great as to injure the work or even to infringe upon the strength of the vise itself.

The Prentiss Patent Self-Adjusting Jaw Vise was designed to accommodate such irregularities in the work, and it accomplishes that end efficiently and without weakening the vise.

The illustration on the preceding page represents in detail an interior view of the mechanism of the Prentiss Patent Self-Adjusting Jaw Vise.

With taper pin removed, the back jaw swivels automatically as the vise is screwed up on the work, until the angle between the jaws conforms to shape of the work. With taper pin inserted, it becomes a Parallel Solid Jaw Vise.

The rear jaw is separate from the body or stationary part of the vise, and is swivelled upon and within it. Resting and working as it does upon and against the solid body of the vise, it is absolutely as strong and durable as a solid jaw.

Our Patent Swivel Bottom enables operator to instantly adjust vise to any angle, right or left, by simply raising ratchet pin on side of vise. When vise is in desired position, the pin is forced home by a spring, positively locking the vise in that position.

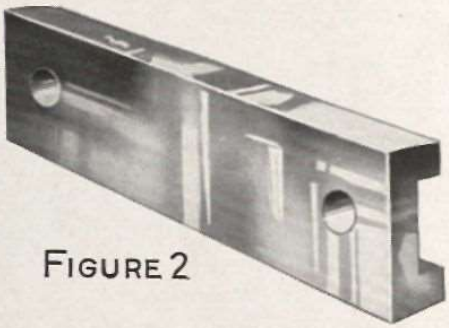


FIGURE 2

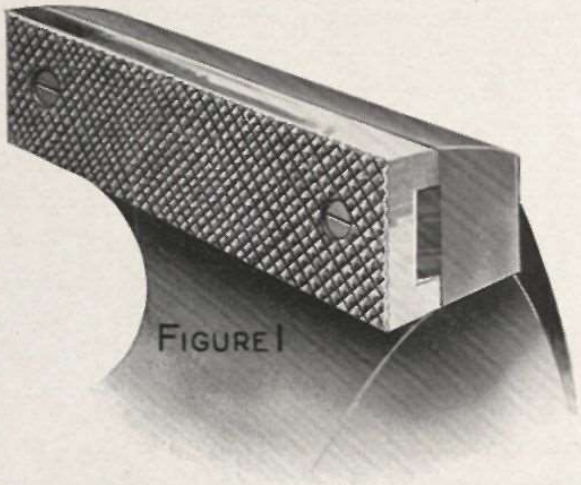


FIGURE 1

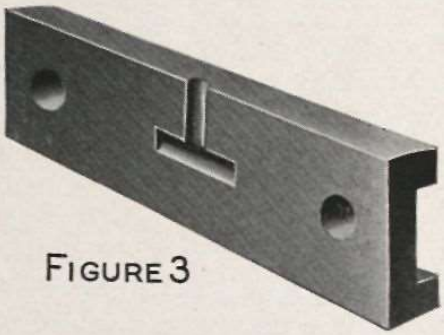


FIGURE 3

Patent Detachable Steel Jaw Faces

PRENTISS' PATENT
Detachable Steel Jaw Faces

AFTER a thorough trial in severe service, we have adopted for nearly all our Machinists' Vises a detachable steel face for the vise jaws. These steel faces are illustrated on the preceding page.

The Detachable Steel Jaw Faces are driven on a rib, accurately cut on the solid vise jaws to fit them. The solid vise jaws are slightly cut away on the end to allow the steel faces to be easily driven off. The steel faces are then fastened to the solid jaws with screws. This manner of attaching them insures that the facing is absolutely as solid and immovable as is provided by the old process of welding. We have never known one to work loose in service.

The detachable feature, moreover, provides for many desirable ends. We are enabled thereby to secure a much more effective serrated surface, where a rough surface is desired. The gripping surface of this jaw is machined into minute pyramids instead of being file-cut, and provides a much greater gripping power and a much longer period of efficiency, and when worn smooth, a new steel can be substituted in a few minutes.

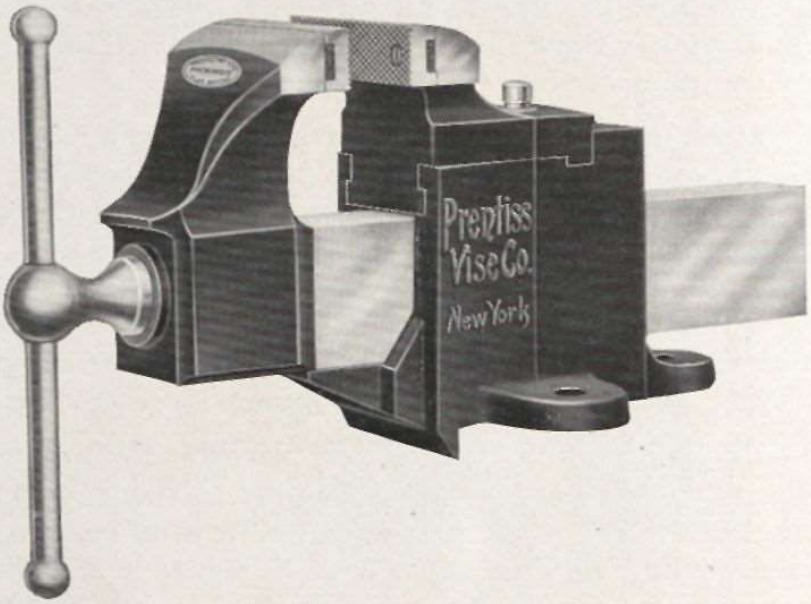
Many vises are made with entirely smooth gripping jaw faces where the work is of a kind which would be marred or injured by pinching between rough surfaces, and these detachable and interchangeable jaw faces provide for an assortment, rough (Figure 1), smooth (Figure 2), or unhardened (Figure 3), as the nature of the work may require.

The unhardened faces may be recessed or fashioned to suit any particular job—the holding of small pieces for drilling, etc. (See Figure 3.)

Extra jaws are supplied at very reasonable prices, and an assortment of jaws will add to the effectiveness of your vise.

PRENTISS' PATENT

Iron-Workers' Vises



Stationary Bottom

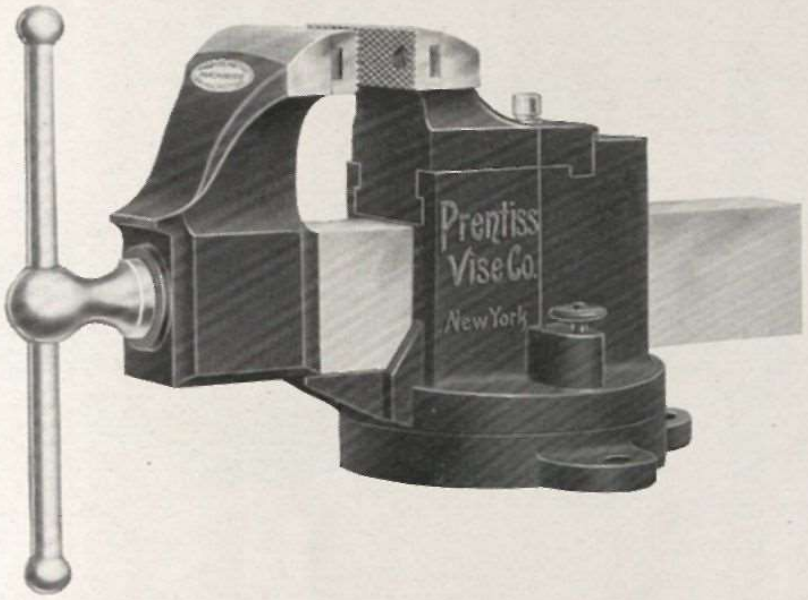
Machinists' Self-Adjusting Jaw Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
1	$13.50	2⅝	3½	13½	White
2	16.00	3½	4¾	28	Green
2½	19.00	4	5¼	41	Grey
3	22.00	4½	6	54	Blue
4	35.00	5¼	8	96	Black
5	50.00	6	9	146	Red
6	65.00	7	11	184	Brown

Patent Detachable Steel Jaws—See Page 9

PRENTISS' PATENT

Iron-Workers' Vises



Patent Swivel Bottom

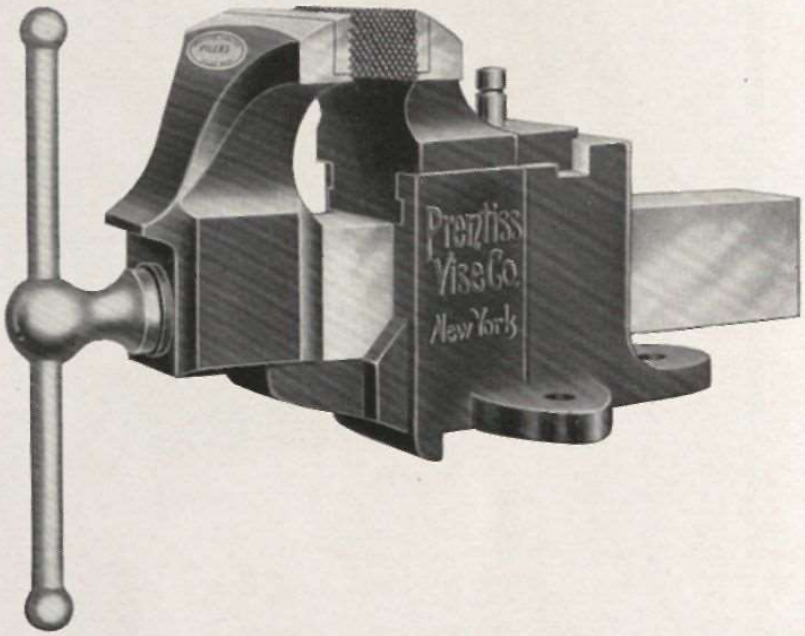
Machinists' Self-Adjusting Jaw Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
18	$16.00	2⅝	3½	17	Office
19	20.00	3½	4¾	32	Shop
19½	24.00	4	5¼	46	Engine
20	28.00	4½	6	65	Mill
21	44.00	5¼	8	109	Factory
22	60.00	6	9	168	Foundry
23	75.00	7	11	207	Forge

Steel Jaw Faces Interchangeable—See Page 9

PRENTISS' PATENT

Filers' or Finishers' Vise



Stationary Bottom

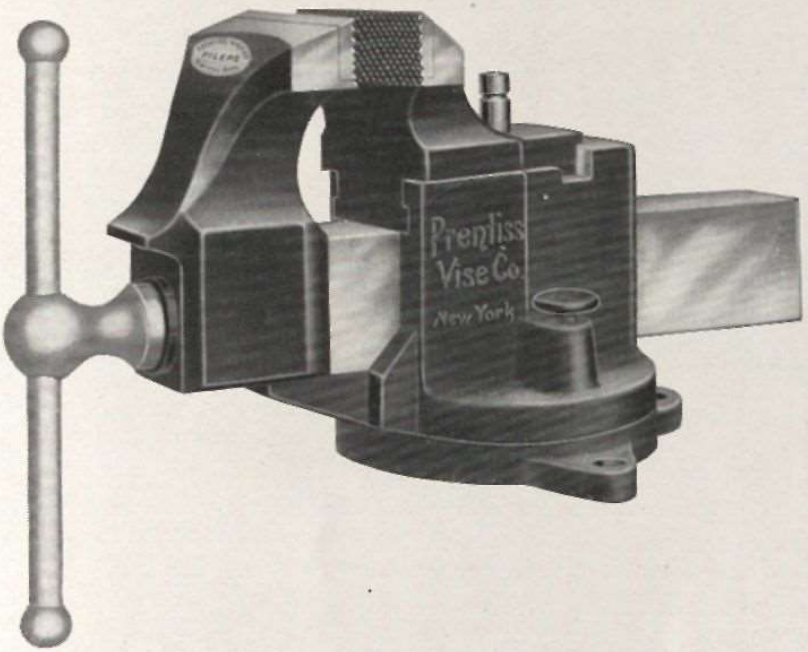
Filers' Self-Adjusting Jaw Vise

DESIGNED to hold articles of any shape and to give all possible freedom in filing. The jaws are made lean and high, the throat deep, and the arm long.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
42	$20.00	4¼	5¼	42	File

PRENTISS' PATENT

Filers' or Finishers' Vise



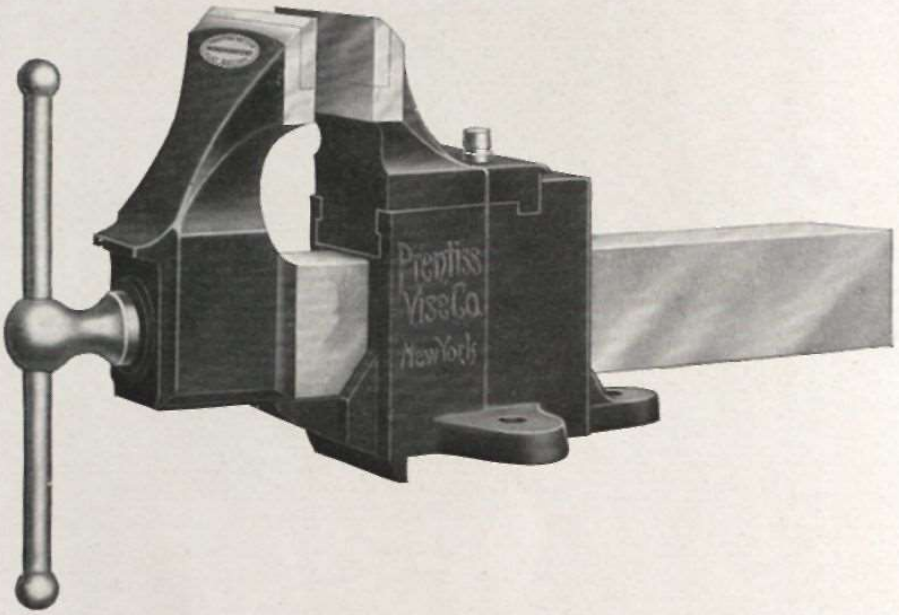
Patent Swivel Bottom
Filers' Self-Adjusting Jaw Vise

EQUIPPED with the Prentiss Patent Swivel Bottom, enabling Vise to be positively locked at any desired angle. Vises are furnished with either rough cut or smooth jaws, as desired.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
47	$24.00	4¼	5¼	47	Rasp

PRENTISS' PATENT

Wood-Workers' Vises



Stationary Bottom

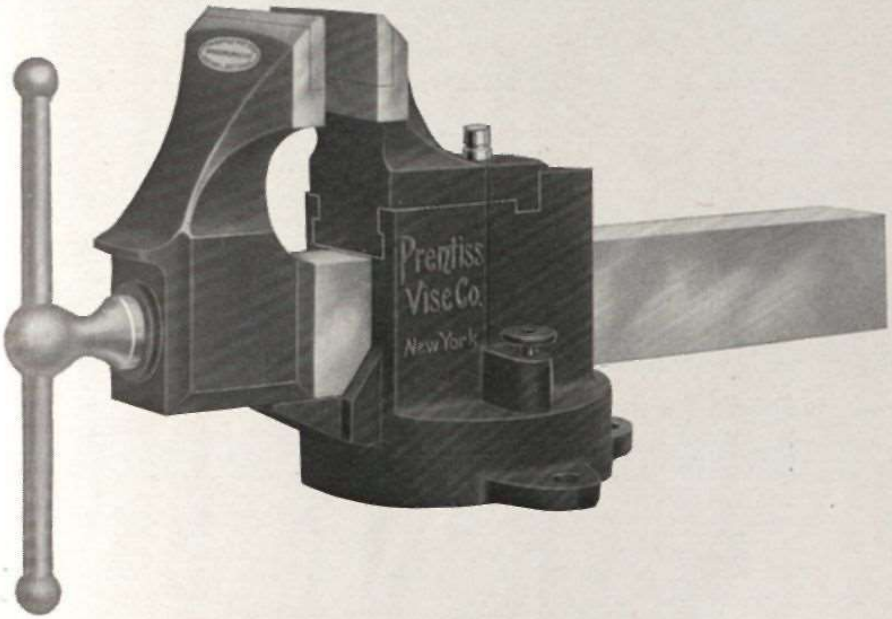
Coach-Makers' Self-Adjusting Jaw Vise

CONSTRUCTED on the same principles as the Iron-Workers' Vises described on pages 6 and 7. The Back Jaw of this Vise adjusts itself to hold firmly articles of any shape.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
12	$19.00	3½	7	30	Ash
10	25.00	4½	9½	59	Maple

PRENTISS' PATENT

Wood-Workers' Vises



Patent Swivel Bottom
Coach-Makers' Self-Adjusting Jaw Vise

THE steel faces of the jaws are finished perfectly smooth and have large surfaces to protect work from injury. Vise can be turned to any desired angle and is there positively locked.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
27	$23.00	3½	7	34	Beech
26	30.00	4½	9½	67	Oak

PRENTISS' PATENT

Self-Adjusting Jaw Jewellers' Vises

Stationary Bottom

Vise No.		List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
30		$ 7.50	1¾	1¾	1½	Lead
31	(Nickeled)	12.50	1¾	1¾	1½	Silver
32		8.00	2	2	3½	Brass
33	(Nickeled)	13.50	2	2	3½	Bronze

Cast Steel Square Anvil Raised at Back of Body

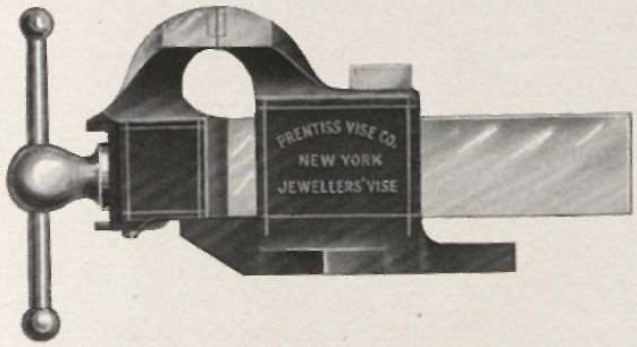
Patent Swivel Bottom

Vise No.		List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
35		$ 9.00	1¾	1¾	2	Copper
36	(Nickeled)	13.50	1¾	1¾	2	Gold
37		10.00	2	2	4½	Iron
38	(Nickeled)	15.50	2	2	4½	Nickel

Jaws Rough Cut or Smooth as Desired

PRENTISS' PATENT

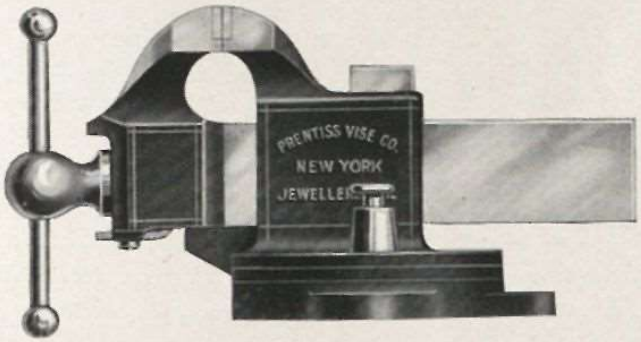
Solid Jaw Jewellers' Vises



Stationary Bottom

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
34	$ 6.50	2	2	2	Metal
34½ (Nickeled)	11.50	2	2	2	Steel

Cast Steel Square Anvil Raised at Back of Body



Patent Swivel Bottom

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
39	$ 8.00	2	2	2¾	Zinc
39½ (Nickeled)	13.00	2	2	2¾	Tin

Jaws Rough Cut or Smooth as Desired

PRENTISS' TABLE CLAMP VISES

"Handy"

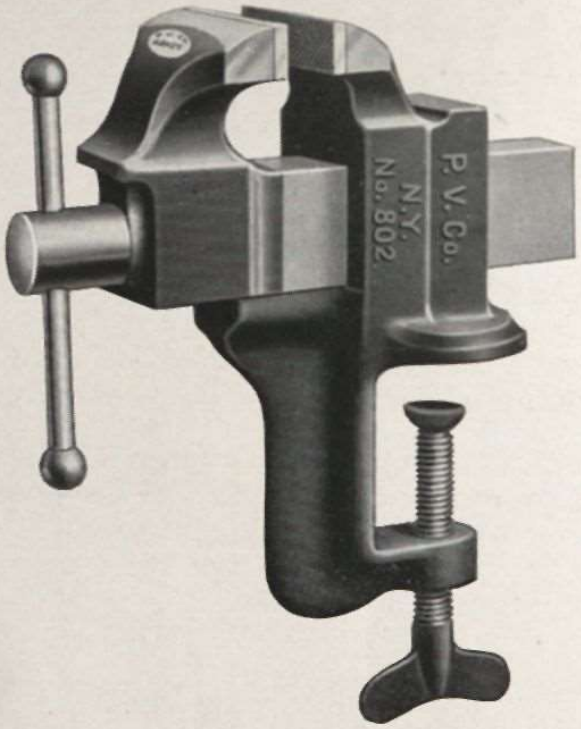


Table Clamp Vises

THE same materials are used in these Vises as in our Machinists' Vises. All parts are carefully fitted and finished for doing fine work. The Vise is particularly adapted for use by Jewellers.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
800	$2.75	1¼	1¼	1½	Hang
801	3.25	1½	1½	2¾	Hard
802	4.50	2	2	6	Harp

PRENTISS' SOLID JAW PARALLEL VISES

"Bull Dog"

(Registered in U. S. Patent Office)

OUR Solid Jaw parallel Machinists', Blacksmiths', and Wood-Workers' Bench Vises are well known everywhere under the trade name "Bull Dog," and enjoy an enviable reputation for finest quality in all respects.

The materials used in the construction of "Bull Dog" Vises are the same as those used in the Prentiss, shown by many experiments to be the most effective for tools of this type.

Great care is taken in the making of all parts to insure accurate fitting and interchangeability.

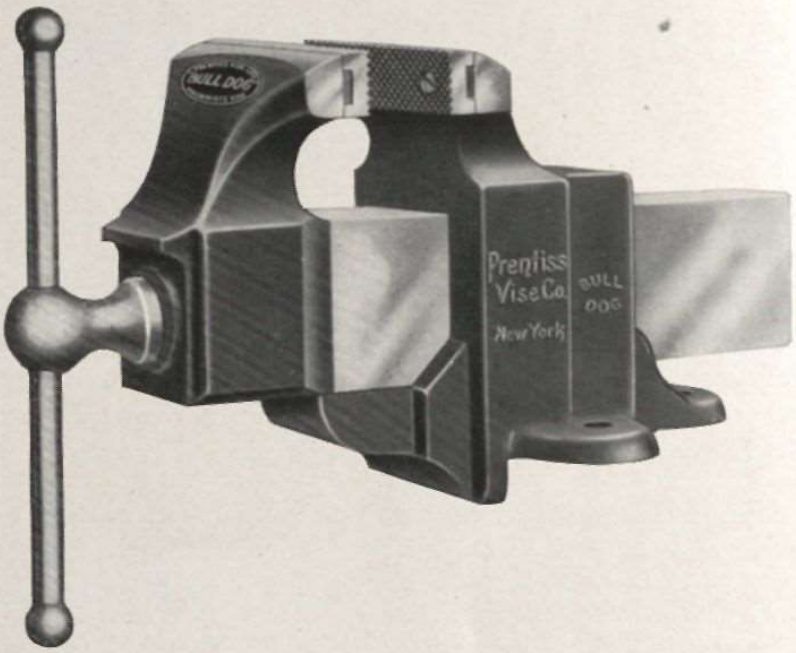
The use of the most modern shop equipment and methods insures that these vises will be properly made in every respect. They are built to last and to do their work efficiently at all times.

"Bull Dog" Vises are designed to provide greatest available strength and maximum convenience to the user.

The addition of our Patent Detachable Steel Jaws has increased considerably their effectiveness. See page 9 for description of Steel Jaw Faces, and advantages of having Interchangeable Jaws.

MACHINISTS'
"Bull Dog" Vises

(Registered in U. S. Patent Office)



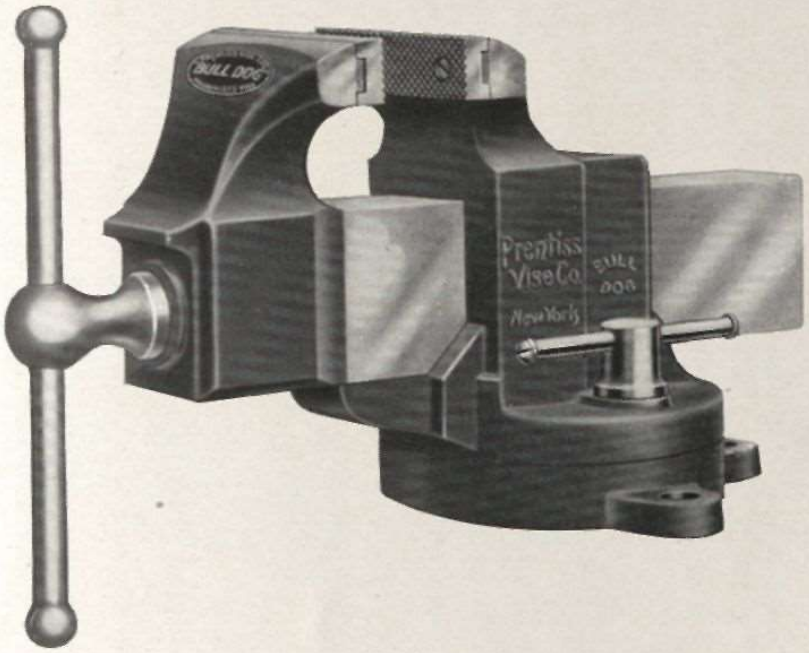
Stationary Bottom
Machinists' Solid Jaw, Parallel Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
207	$ 6.50	2	2	4½	Mow
209	8.00	2½	3	9	Mouth
211	9.00	3	3½	13	Moon
50	10.00	3¼	4	22	Base
51	11.25	3⅝	5½	28	Strike
52	12.75	4⅛	6	42	Ball
53	15.50	4⅝	7	52	Fly
54	20.00	5	8	72	Catcher
55	30.00	5½	9	100	Bat
56	39.00	6	10	135	Run
57	55.00	7	12	210	Plate

Patent Detachable Steel Jaws—See Page 9

MACHINISTS'
"Bull Dog" Vises

(Registered in U. S. Patent Office)



Swivel Bottom
Machinists' Solid Jaw, Parallel Vise

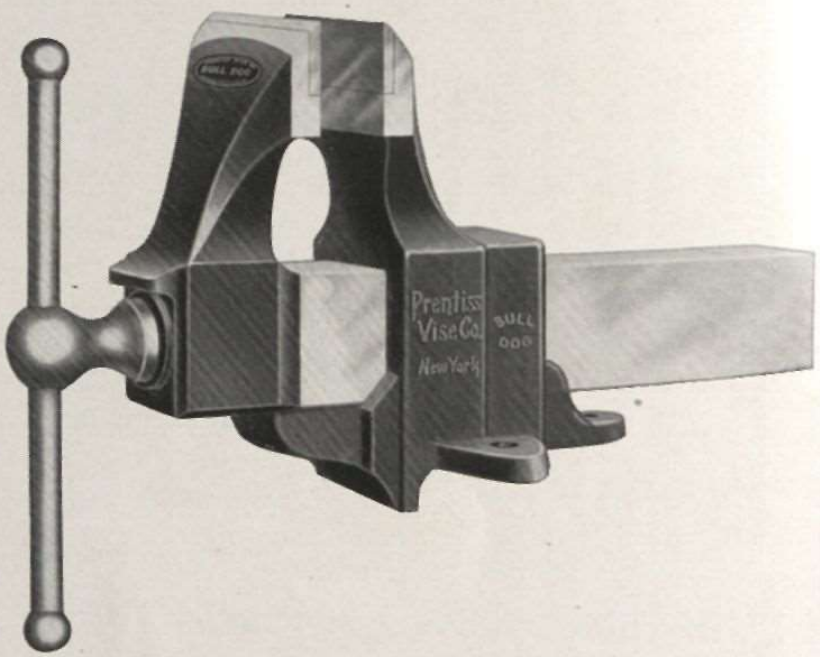
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
208	$ 8.00	2	2	6½	Mix
210	10.00	2½	3	12	Mire
212	12.00	3	3½	17	Milk
90	13.00	3¼	4	28	Rod
91	15.00	3⅝	5½	36	Gun
92	17.00	4⅛	6	52	Rifle
93	20.00	4⅝	7	64	Line
94	30.00	5	8	85	Hook
95	38.00	5½	9	115	Leader
96	52.00	6	10	155	Basket
97	70.00	7	12	235	Sinker

Steel Jaw Faces Interchangeable—See Page 9

WOOD-WORKERS'

"Bull Dog" Vise

(Registered in U. S. Patent Office)



Stationary Bottom
Coach-Makers' Solid Jaw, Parallel Vise

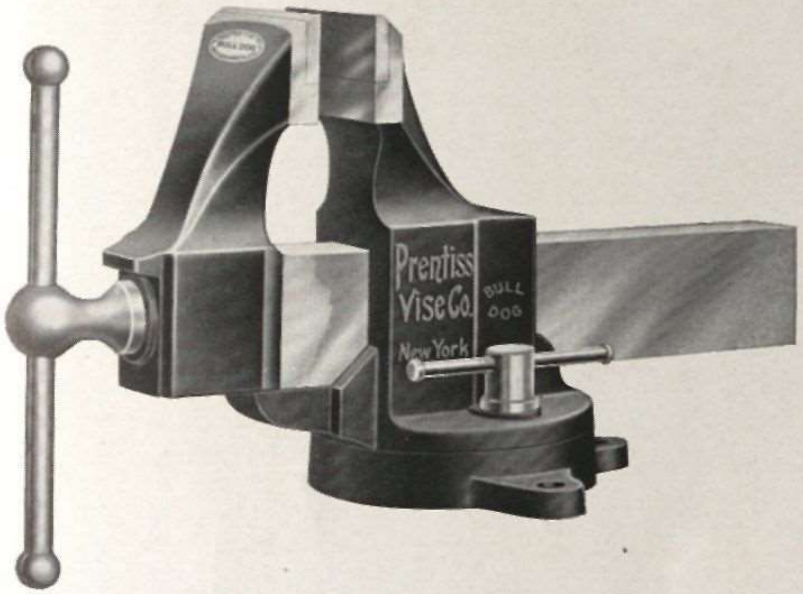
DESIGNED with very high jaws and long arm. The deep throat and wide opening allow operator the maximum amount of room for holding work.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
59	$16.25	4¼	9	48	Pitcher

WOOD-WORKERS'

"Bull Dog" Vise

(Registered in U. S. Patent Office)

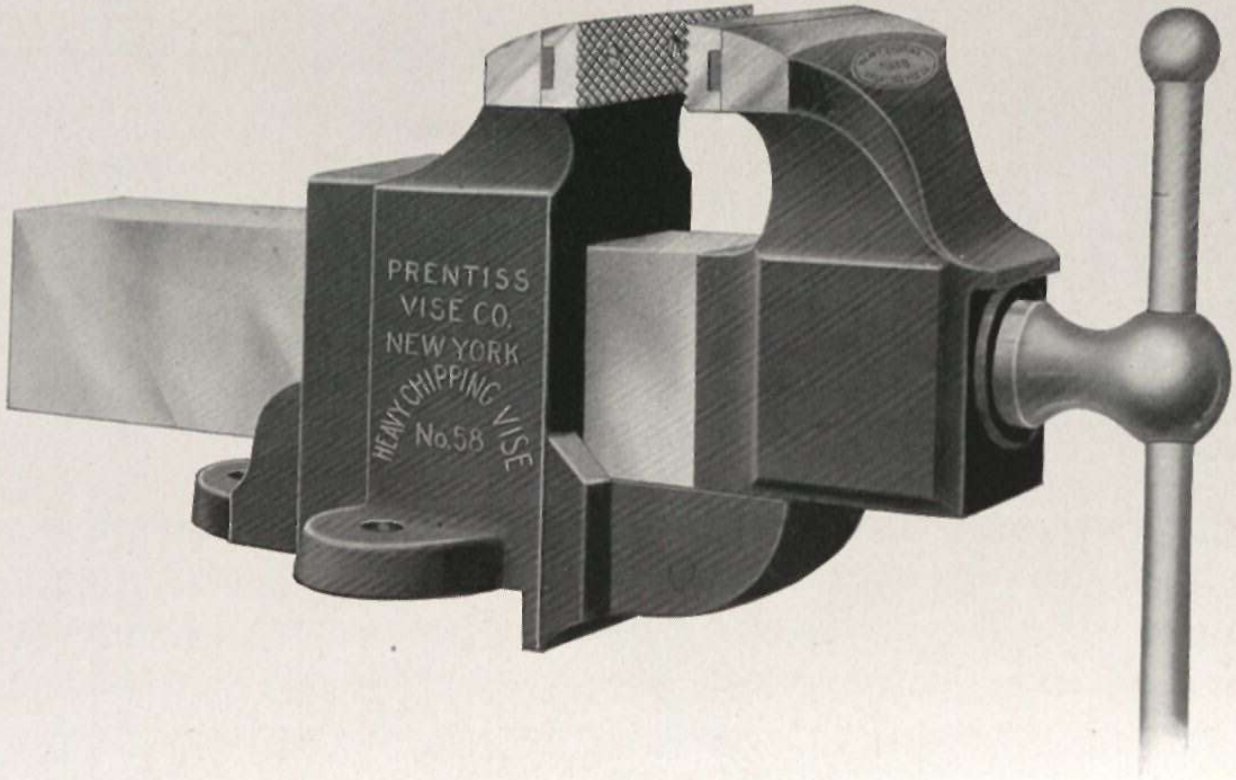


Swivel Bottom

Coach-Makers' Solid Jaw, Parallel Vise

THE steel jaw faces are finished perfectly smooth and have large surfaces to protect the work from injury. All parts are interchangeable.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
99	$21.25	4¼	9	58	Trout



Prentiss Vise Company's Heavy Chipping Vise

PRENTISS VISE COMPANY'S

Heavy Chipping Vise

THE Prentiss Solid Jaw Heavy Chipping Vise, illustrated on the preceding page, is made especially for use where a vise having extra weight, great strength, and large size is required.

For years this vise has been giving satisfaction in large shops where the service exacted has been most severe. Wherever severe service is to be exacted, the Prentiss Vise Company's Heavy Chipping Vise will answer all requirements.

This vise is made with the same care as all our other vises, and is equally well adapted for fine work or rough usage.

In design and material this vise is a duplicate of the "Bull Dog." It is built to last.

The adoption of the Patent Detachable Steel Jaw Faces has enabled us to give a much more effective serrated surface, adding greatly to the gripping power of the jaws. See page 9 for full description.

PRICE

No. 58 ..... $82.00

8½ in. Jaws. Opens 12 in. Weight 275 lbs.

Code Word—Home

Swivel Bottom Attachment for above..... $9.00

Described on page 30

Brass Finishing Caps

FOR VISE JAWS

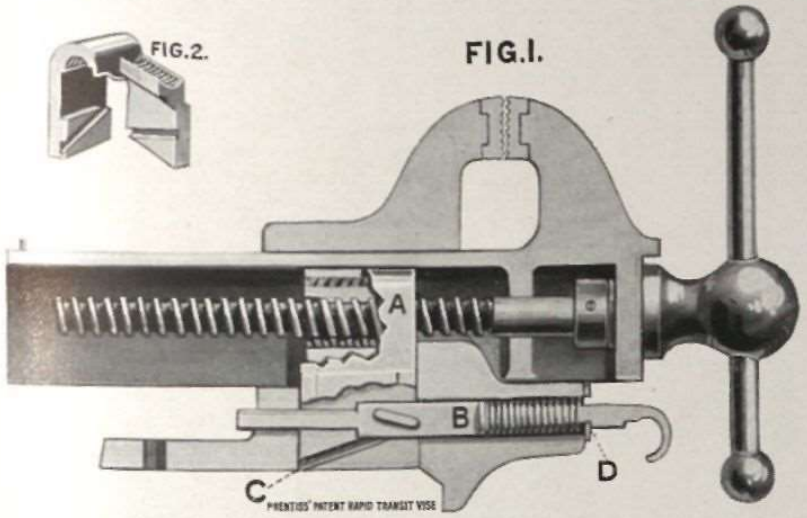
THE Brass Caps are designed to cover the serrated Steel Jaws of a Vise to protect finished work from marks.

They are made from brass castings, and are finished perfectly smooth and highly polished. The weight of these caps is enough to insure their lasting indefinitely. The caps are sprung on the Jaws of the Vise readily and will remain in place.

To Fit Jaws	Price per Pair	To Fit Jaws	Price per Pair
1¾ inch	$1.65	4½ inch	$2.50
2 "	1.65	4⅝ "	2.50
2⅝ "	1.65	4¾ "	2.90
3 "	2.00	5 "	2.90
3¼ "	2.00	5¼ "	3.25
3½ "	2.00	5½ "	3.80
3⅝ "	2.00	6 "	5.50
4 "	2.50	6½ "	6.00
4⅛ "	2.50	7 "	8.25
4¼ "	2.50	8½ "	11.50

PRENTISS' PATENT RAPID TRANSIT

Parallel Vises



THE simplicity of action is shown by the limited number of working parts. Only two extra parts are required for Rapid Transit movement.

Can be opened or closed full length with a single movement, and nut will engage screw at any point. Can be operated from any position as an ordinary screw vise. This is the only quick-acting vise having a full nut.

Figure 1 represents half section of vise cut lengthwise through all parts.

A is one-half of our Rapid Transit Nut in place, disengaged from the screw.

B is an OPERATING BAR carrying two INCLINES or LEDGES (all one piece), by which the nut is both opened and closed, and by the same movement is FIRMLY LOCKED.

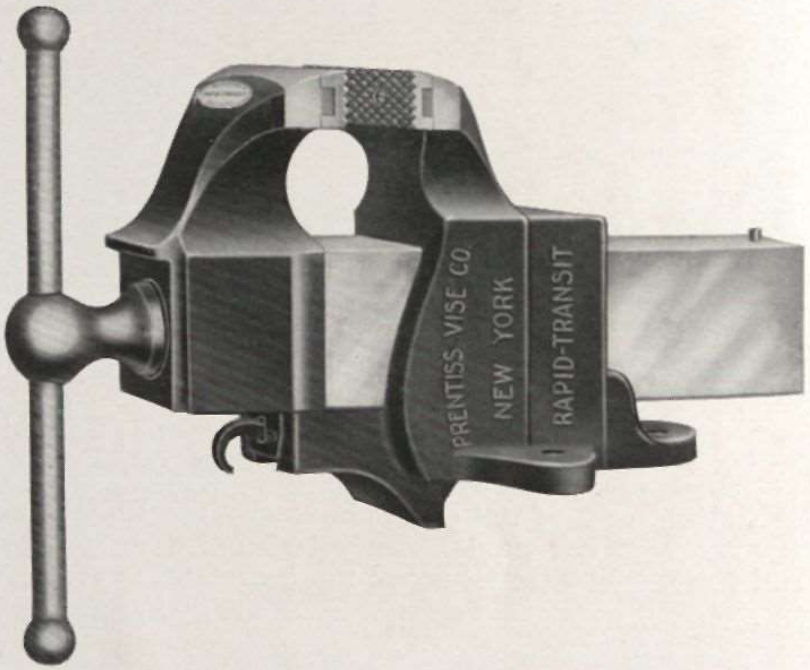
C shows GROOVE in which INCLINE travels, thereby forcing one-half nut up and the other down simultaneously, on moving the BAR to front or rear one-half inch. Grooves shown plainly in Figure 2.

D is a RATCHET CATCH on operating bar, which, when engaged, holds nut open.

Figure 2 shows the whole nut detached.

PRENTISS' RAPID TRANSIT

Machinists' Vises



Machinists' Rapid Transit Vise

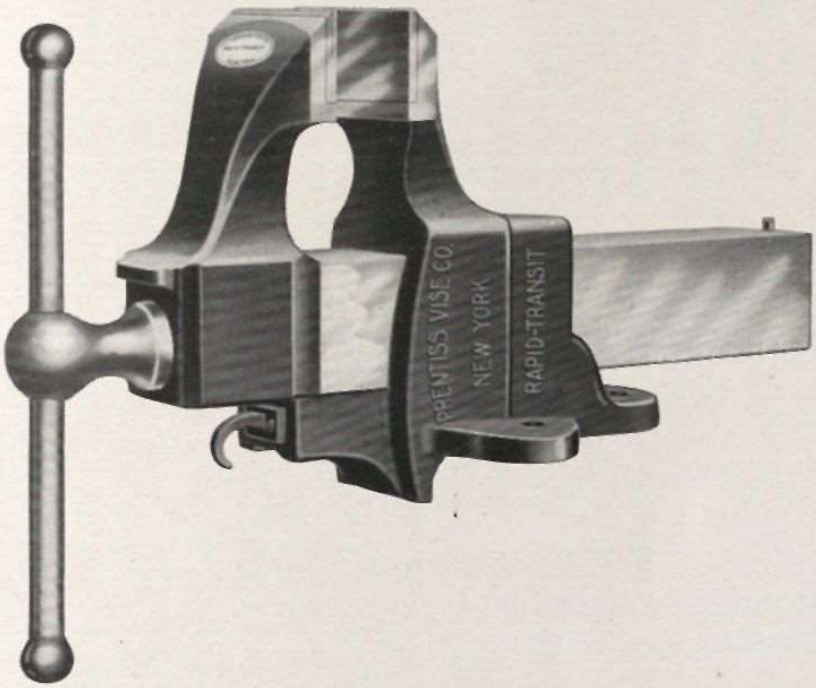
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
70	$12.00	3	3½	22	First
71	14.00	3¾	4½	33	Second
72	20.00	4¼	5½	54	Third
73	24.00	4¾	6½	65	Short
74	34.00	5½	8	98	Left
75	50.00	6½	9½	150	Centre

For price Swivel Bottom Attachments see page 30

Patent Detachable and Interchangeable Steel Jaw Faces
—See Page 9

PRENTISS' RAPID TRANSIT

Wood-Workers' or Coach-Makers' Vise



Coach-Makers' Rapid Transit Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
76	$24.00	4¼	9	55	Right

Swivel Bottom Attachment for above $2.50

See Page 30

SWIVEL BOTTOM ATTACHMENTS FOR Rapid Transit Vises

Swivel Bottom

THE above represents our Swivel Bottom Attachment, by use of which all sizes of our Stationary Bottom Rapid Transit Vises may be changed into first-class Swivel Bottom Vises.

The Swivel Plate Attachments, with bolts and nuts complete, are sold separate for the Rapid Transit Vises only, and can be applied at any time.

In ordering Swivel Attachment give Number of Vise for which it is required.

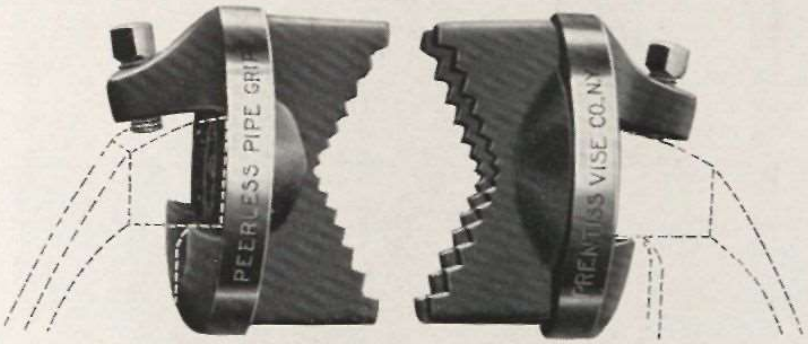
PRICE LIST FOR SWIVEL BOTTOMS

Including Bolts and Nuts

For Vise No. 70	$1.75
For Vise No. 71	2.25
For Vise Nos. 72 and 73	2.50
For Vise No. 74	3.50
For Vise No. 75	5.00
For Vise No. 76	2.50

PEERLESS

Patent Pipe Grip



Peerless Swivel Jaw Pipe Grip

Made of Steel

INSTANTLY converts any Vise into a first-class Pipe Vise. Made to fit Machinists' Vises of any make from 3½ inches up. The Pipe Grips are compact and light, and can be easily transferred from shop to outside work.

No. 1. Fits any 3½ to 4½ inch vise..... Price $3.50
Will hold ¼ to 2½ inch pipe.

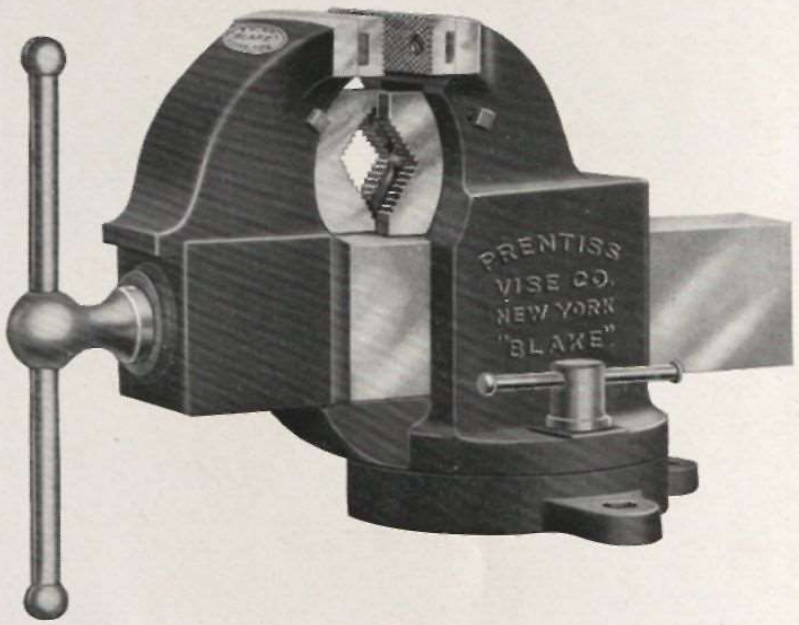
No. 2. Fits any 4¾ to 5¼ inch vise..... Price $3.75
Will hold ¼ to 5 inch pipe.

No. 3. Fits any 5½ to 8½ inch vise..... Price $4.00
Will hold ¼ to 6 inch pipe.

PRENTISS' COMBINATION PIPE VISES

"Blake"

(Registered in U. S. Patent Office)



Swivel Bottom

OUR Combination Pipe Vises are exceptionally heavy and are made to stand hard usage. The Pipe Jaws are made of high-grade steel and are reversible, giving double wear.

Equipped with Patent Detachable and Interchangeable Steel Jaw Faces.

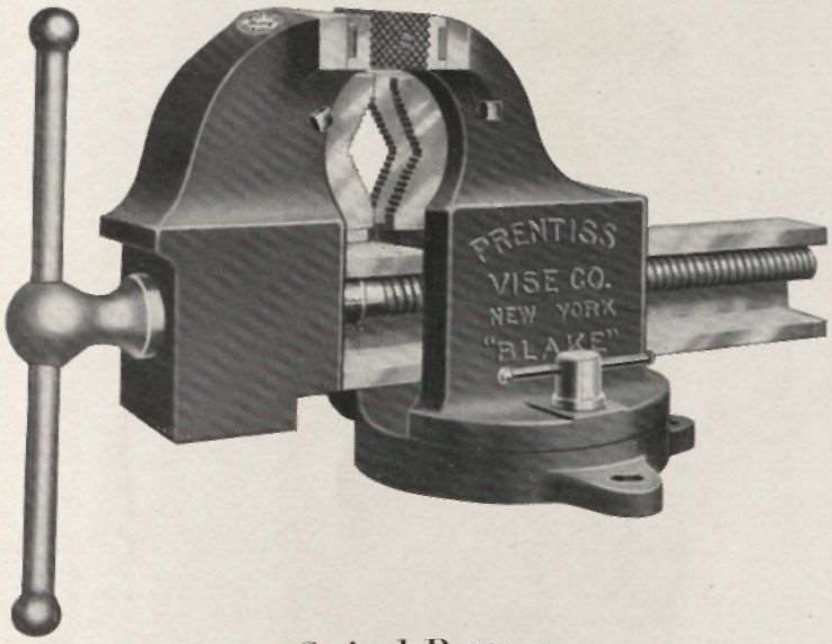
Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
180	$10.00	2½	⅛ to 1	15	Road
180½	12.00	3	⅛ to 1½	22	Robin
181	16.00	3½	⅛ to 2½	55	Plug
182	22.00	4¼	⅛ to 3	80	Pipe
182½	32.00	5	⅛ to 4	120	Tube

Patent Detachable Steel Jaws—See Page 9

PRENTISS' COMBINATION PIPE VISES

"Blake"

(Registered in U. S. Patent Office)



Swivel Bottom

OUR large Combination Pipe Vises are made with Wrought Steel Sliding Bar. This bar cannot break. An extra nut for tightening swivel base is placed on left hand side of body. Equipped with Patent Detachable Steel Jaw faces.

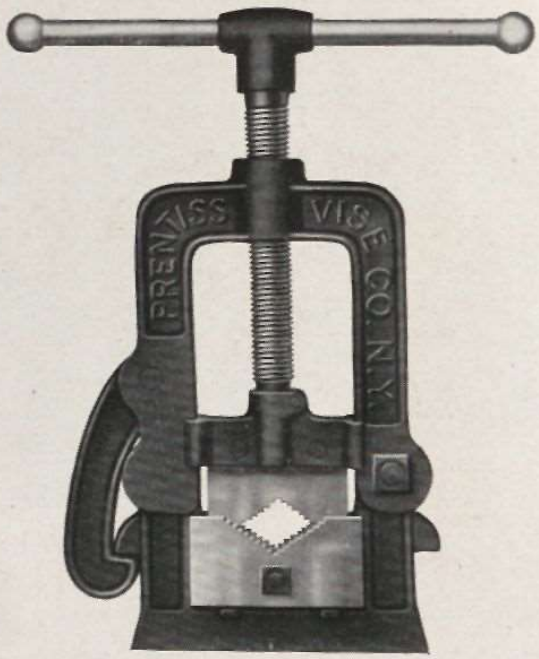
Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
183	$45.00	6	⅛ to 6	185	Elbow
185	60.00	7	⅛ to 8	240	Union

Steel Jaw Faces Interchangeable—See Page 9

PRENTISS' HINGED

Malleable Pipe Vise

EXTRA HEAVY



THESE Vises are constructed of a very high-grade malleable iron, with steel Screw and Lever and tool steel Pipe Jaws. All parts of the Vises are made exceptionally heavy to stand severe strain. They are finished exactly like our Machinists' Vises.

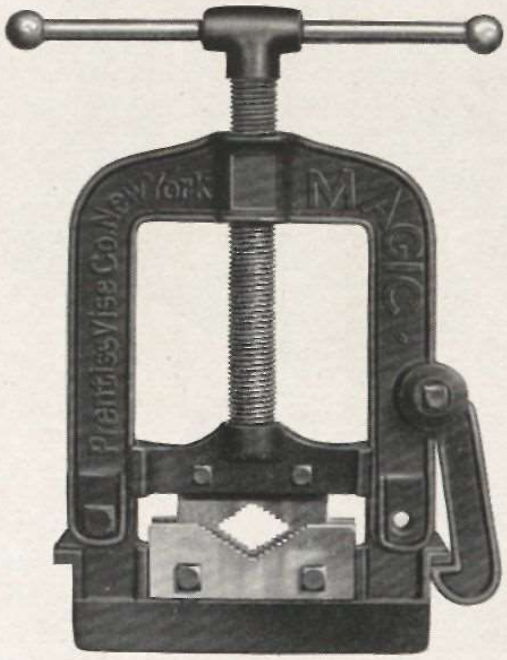
Vise No.	List Price	Holds Pipe inches	Weight lbs.	Code Word
B	$6.00	⅛ to 2½	13	Zeal
C	9.00	⅛ to 3	20	Zebra
D	12.50	⅛ to 4½	35	Zenith

PRENTISS' HINGED

Malleable Pipe Vises

"Magic"

(Registered in U. S. Patent Office)



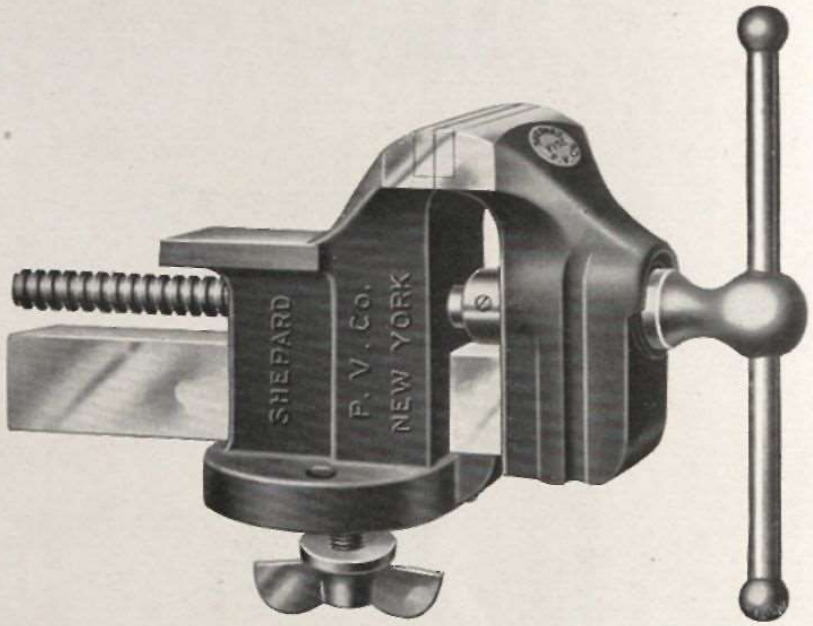
THE "Magic" Pipe Vises are constructed on the same principle and of same materials as the Extra Heavy Pipe Vises shown on preceding page. They are first-class tools in every respect, made in standard sizes and weight.

Vise No.	List Price	Holds Pipe inches	Weight lbs.	Code Word
110	$ 3.60	⅛ to 2	4½	Jack
111	5.00	⅛ to 2½	9	Jest
112	7.50	⅛ to 3½	15	Jibe
113	11.00	¼ to 4½	19	Jolt
114	23.50	1 to 6	36	Jump

SHEPARD

(Registered in U. S. Patent Office)

Bench Vises



CAN be used as either Stationary or Swivel Bottom Vise. Each Vise is equipped with Central Bolt, Nut, and Washer for fastening to bench. Is also provided with bolt holes for permanently securing to bench.

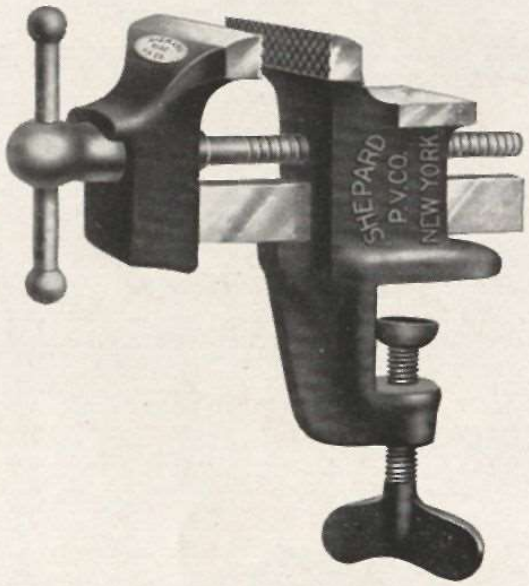
The Steel Sliding Bar makes this Vise stronger than any other low-priced vise, such as an oval slide, or vise with light square sliding arm.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
158	$ 1.65	2	2	2½	School
160	3.00	2	2	4	Snow
161	3.75	2½	3	10	Smoke
161½	4.75	3	3½	12	Sand
162	5.25	3½	4	16	Show
163	8.25	4	6	30	Straw
164	12.00	4½	7½	44	Stiff

SHEPARD

(Registered in U. S. Patent Office)

Table Clamp Vises



Wrought Steel Sliding Bar, Screw and Lever
Polished Anvil, Heavy Clamp

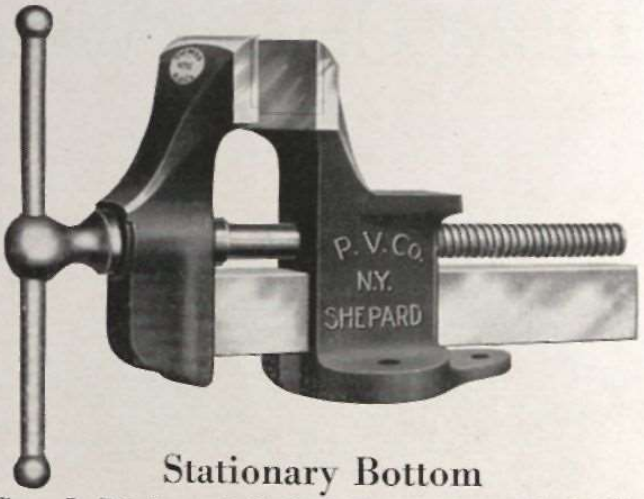
THE large sizes (Nos. 155 and 156) are provided with extra plate to screw on bench. This overcomes difficulty in fastening large Clamp Vises.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
152	$1.00	1½	1½	1½	Sugar
153	1.25	1¾	1¾	2½	Sweet
154	1.60	2	2	3	Song
155	2.25	2¼	2½	5½	Smart
156	3.25	2¾	3½	9	Salt

SHEPARD

(Registered in U.S. Patent Office)

Wood-Workers' Vises



Stationary Bottom
Coach-Makers' Solid Jaw, Parallel Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
168	$10.00	3½	7	33	Step
68	12.00	4½	9	42	Spoke

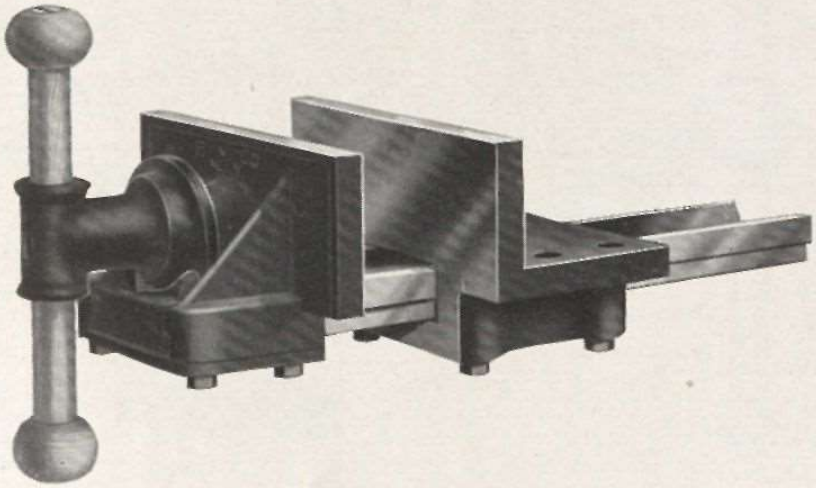
Patent Swivel Bottom
Coach-Makers' Solid Jaw, Parallel Vises

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
169	$11.00	3½	7	38	Shaft
69	13.75	4½	9	46	Strap

THE BLAKE

(Registered in U. S. Patent Office)

Cabinet-Makers' Vise



Quick-Acting Vise for Wood-Workers

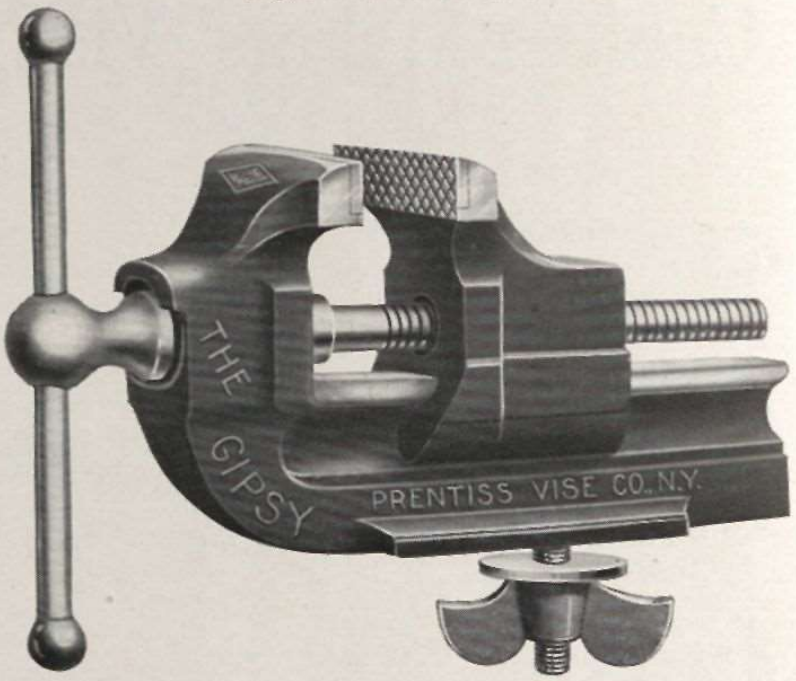
THESE Vises are devised to be fastened underneath the work-bench, leaving jaw flush with top, and they are adapted to holding every description of wood-work.

The Vise can be opened or closed full length, with a single movement. Instant adjustment, quick release, no time lost.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
612	$11.00	8	8	33	Cedar
613	15.00	10	12	55	Walnut

"Gipsy"

(Registered in U. S. Patent Office)



MADE of good material, with steel screw and welded steel jaws milled and cut, is strong, convenient, of ample weight. Head of swivel screw moves in groove running whole length of bottom plate, allowing operator to move vise out, in, or to any desired angle and fasten in position.

The nut is made by a long, full thread cut in solid metal of back jaw.

These Vises are finished, painted, and polished in the same manner as all other Vises of our manufacture.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
65	$3.60	2½	3	8	Switch
66	5.00	3½	4	14	Sterling
67	8.00	4	6	28	Stock

Repair Parts

ON pages 42 and 43 we show in outline, illustrations of the parts of our vises, with the names we use to designate them, shown thereon.

In ordering repairs the NAME OF THE PART together with the CATALOGUE NUMBER OF THE VISE for which repair is needed, is sufficient information for us to fill the order intelligently.

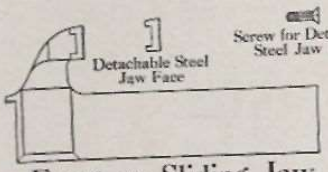
The return of the Broken Part is of NO SERVICE TO US WHATEVER. We earnestly recommend, however, that, when practicable, all the SERVICEABLE PARTS be returned to our FACTORY AT WATERTOWN, N. Y., to have new part fitted. This will insure the accurate fitting of the repair and will give us an opportunity to make adjustments when necessary.

The repair parts are made as nearly interchangeable as practicable and usually little fitting is necessary.

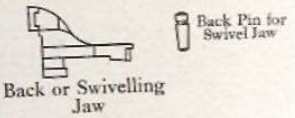
Dealers are cautioned against taking parts from vises they have in stock, for although the extra parts we furnish are as nearly "interchangeable" as is practical, and are satisfactory for fitting to a vise in use, they are not calculated to replace parts taken by dealers from new vises in their stock.

Returned Goods for Repair or Credit must be sent to our FACTORY AT WATERTOWN, N. Y.

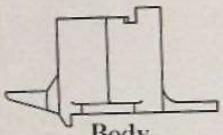
Repair Parts for Machinists' Vises



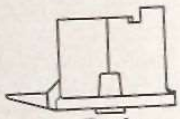
Front or Sliding Jaw



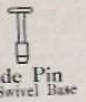
Back or Swivelling Jaw

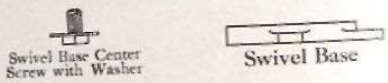


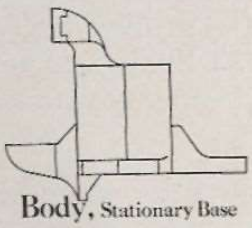
Body
Stationary Base



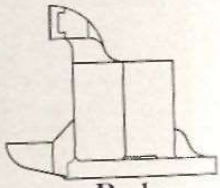
Body
for Swivel Base



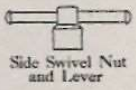


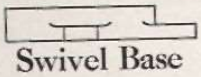


Body, Stationary Base

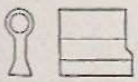


Body
(for Swivel Base)

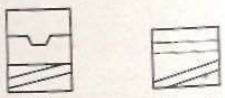




Swivel Base



Nut

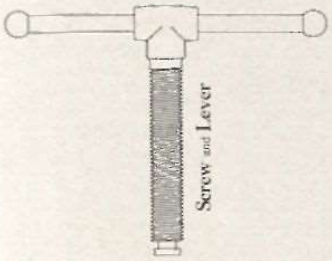


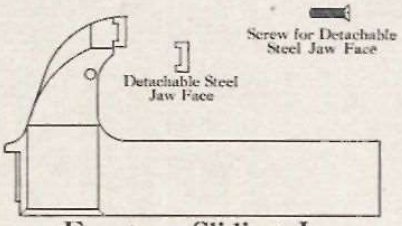
Nut (two pieces)

Screw and Lever
(The collar and set screw shown thereon are not furnished with the screw unless so specified)

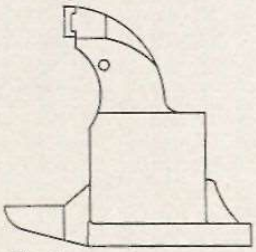
Pull-Bar
(for Operating Nut)

Repair Parts for Pipe Vises

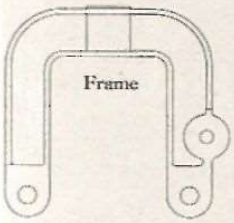


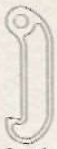


Front or Sliding Jaw



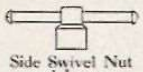
Body (for Swivel Base)



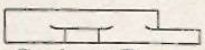


Latch

Slide
(two pieces)



Side Swivel Nut and Lever

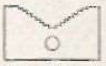


Swivel Base

Side Swivel Bolt

Swivel Base Center Screw with Washer

Upper Pipe Jaw
(one piece)

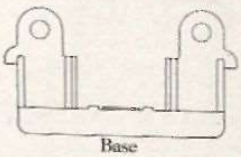


Lower Pipe Jaw
(two pieces)

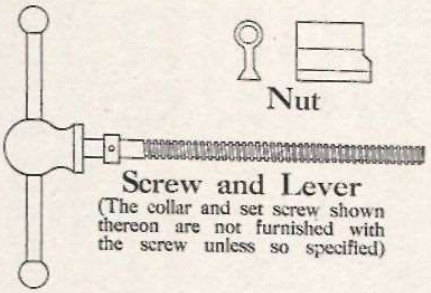
Pipe Jaw for Front Jaw (one piece)

Pipe Jaw for Body (two pieces)

Set Screw for Pipe Jaw for Body



Base



Nut

Screw and Lever
(The collar and set screw shown thereon are not furnished with the screw unless so specified)

Price List Extra Parts

Vise Number	Body	Front or Sliding Jaw	Back Jaw	Detachable Steel Jaw Face—Each	Screw and Lever	Nut	Swivel Base
1	$2 50	$2 50	$2 50	$1 10	$2 50	$0 70	....
2	3 50	3 50	3 50	1 30	2 50	80	....
2½	5 50	5 50	4 00	1 40	3 00	80	....
3	6 50	6 50	4 50	1 60	3 50	1 20	....
4	11 00	11 00	7 00	2 00	4 50	1 50	....
5	15 00	15 00	12 00	2 40	7 00	2 00	....
6	22 00	22 00	12 00	2 80	7 00	2 50	....
10	6 50	6 50	4 50	....	3 50	1 20	....
12	3 50	3 50	3 50	....	2 50	80	....
18	2 50	2 50	2 50	1 10	2 50	70	$2 50
19	3 50	3 50	3 50	1 30	2 50	80	2 50
19½	5 50	5 50	4 00	1 40	3 00	80	3 00
20	6 50	6 50	4 50	1 60	3 50	1 20	4 00
21	11 00	11 00	7 00	2 00	4 50	1 50	6 00
22	15 00	15 00	12 00	2 40	7 00	2 00	9 00
23	22 00	22 00	12 00	2 80	7 00	2 50	12 00
26	6 50	6 50	4 50	....	3 50	1 20	3 50
27	3 50	3 50	3 50	....	2 50	80	2 50
30	2 00	2 00	2 00	....	1 00	50	....
31	3 50	3 50	3 00	....	1 80	50	....
32	2 50	2 00	2 00	....	1 00	50	....
33	4 00	4 00	3 50	....	2 00	50	....
34	2 00	2 00	....	....	1 00	50	....
34½	3 50	3 50	....	....	1 80	50	....
35	2 00	2 00	2 00	....	1 00	50	1 00
36	3 50	3 50	3 00	....	1 80	50	1 80
37	2 50	2 00	2 00	....	1 00	50	1 00
38	4 00	4 00	3 50	....	2 00	50	2 00
39	2 00	2 00	....	....	1 00	50	1 00
39½	3 50	3 50	....	....	1 80	50	1 80
42	5 00	5 00	4 00	....	3 00	80	....
47	5 00	5 00	4 00	....	3 00	80	3 00
50	4 00	3 00	....	1 30	2 00	80	....
51	5 00	3 50	....	1 30	2 50	80	....
52	6 00	5 00	....	1 50	3 00	1 20	....
53	7 00	6 50	....	1 70	3 00	1 20	....
54	10 00	9 00	....	1 90	3 50	1 50	....
55	13 00	11 00	....	2 20	4 50	1 60	....
56	16 00	15 00	....	2 40	6 00	2 00	....
57	22 00	22 00	....	2 80	7 00	2 50	....
58	40 00	36 00	....	3 50	9 00	3 00	....
59	6 50	6 00	....	....	3 00	1 20	....
60	1 50	1 20	....	....	60	....	60
61	1 80	1 50	....	....	70	....	70
61½	2 00	1 60	....	....	1 00	....	80
62	2 50	2 00	....	....	1 20	....	1 00
63	3 50	3 50	....	....	1 60	....	1 40
64	5 00	4 50	....	....	2 50	....	1 40
65	....	1 60	1 40	....	60	....	....
66	....	2 00	1 60	....	1 00	....	....
67	....	3 50	2 50	....	1 60	....	....
68	5 00	4 50	....	....	2 50	....	....
69	5 00	4 50	....	....	2 50	....	1 40

Price List Extra Parts

Vise No.	Body	Front or Sliding Jaw	Detachable Steel Jaw Face—Each	Screw and Lever	Nut	Swivel Base	Pipe Jaws per Set	Base with Column	Upper or Slide Jaw	Nut and Lever	Pull Bar and Spring
70	$4 30	$4 00	$1 30	$2 30	$2 30	....	....	....	....	....	$1 20
71	5 00	5 00	1 40	2 50	2 50	....	....	....	....	....	1 50
72	7 00	7 00	1 60	3 50	3 50	....	....	....	....	....	1 70
73	8 00	8 00	1 90	4 00	4 00	....	....	....	....	....	1 70
74	12 00	12 00	2 20	5 00	5 00	....	....	....	....	....	2 00
75	19 00	17 00	2 80	7 50	7 00	....	....	....	....	....	2 50
76	7 00	7 00	....	3 50	3 50	....	....	....	....	....	1 70
81	5 00	5 00	....	2 50	80	....	$2 50	....	....	....	....
82	9 00	7 00	....	3 00	1 00	....	3 00	....	....	....	....
83	13 00	10 00	....	3 50	1 20	....	6 00	....	....	....	....
84	22 00	22 00	....	7 00	1 60	....	9 00	....	....	....	....
85	....	....	....	....	....	....	2 00	$3 50	$1 00	$1 50	....
86	....	....	....	....	....	....	2 50	6 00	1 50	2 00	....
88	....	....	....	....	....	....	3 00	10 00	2 00	3 00	....
90	4 00	3 00	1 30	2 00	80	$2 00	....	....	....	....	....
91	5 00	3 50	1 30	2 50	80	2 50	....	....	....	....	....
92	6 00	5 00	1 50	3 00	1 20	3 00	....	....	....	....	....
93	7 00	6 50	1 70	3 00	1 20	3 50	....	....	....	....	....
94	10 00	9 00	1 90	3 50	1 50	4 00	....	....	....	....	....
95	13 00	11 00	2 20	4 50	1 60	6 00	....	....	....	....	....
96	16 00	15 00	2 40	6 00	2 00	8 00	....	....	....	....	....
97	22 00	22 00	2 80	7 00	2 50	10 00	....	....	....	....	....
99	6 50	6 00	....	3 00	1 20	3 00	....	....	....	....	....
								Base	Frame	Latch	Slide
110	....	....	....	70	....	....	80	$0 80	$0 50	$0 20	$0 20
111	....	....	....	1 30	....	....	1 20	1 50	80	30	40
112	....	....	....	1 50	....	....	1 60	2 20	1 00	40	50
113	....	....	....	1 70	....	....	2 00	3 50	2 00	80	70
114	....	....	....	2 50	....	....	3 50	6 50	4 00	1 50	1 50
152	30	20	....	20	....	....	....	....	....	....	....
153	50	50	....	30	....	....	....	....	....	....	....
154	70	70	....	40	....	....	....	....	....	....	....
155	1 00	1 00	....	50	....	....	....	....	....	....	....
156	1 50	1 20	....	60	....	....	....	....	....	....	....
158	70	70	....	40	....	....	....	....	....	....	....
159	70	70	....	40	....	40	....	....	....	....	....
160	1 50	1 20	....	60	....	....	....	....	....	....	....
161	1 80	1 50	....	70	....	....	....	....	....	....	....
161½	2 00	1 60	....	1 00	....	....	....	....	....	....	....
162	2 50	2 00	....	1 20	....	....	....	....	....	....	....
163	3 50	3 50	....	1 60	....	....	....	....	....	....	....
164	5 00	4 50	....	2 50	....	....	....	....	....	....	....
168	4 00	3 50	....	1 60	....	....	....	....	....	....	....
169	4 00	3 50	....	1 60	....	1 40	....	....	....	....	....
180	4 50	4 50	1 00	1 75	50	1 00	1 10	....	....	....	....
180½	5 00	5 00	1 10	2 00	60	1 50	1 25	....	....	....	....
181	6 00	6 00	1 30	2 50	80	2 00	2 00	....	....	....	....
182	9 00	9 00	1 60	3 00	1 20	3 00	2 50	....	....	....	....
182½	13 00	13 00	1 90	4 00	1 40	4 00	3 00	....	....	....	....
183	16 00	16 00	2 40	6 00	1 50	6 00	3 50	....	....	....	....
185	22 00	22 00	2 80	7 00	1 50	7 00	5 00	....	....	....	....
191	6 00	6 00	1 30	2 50	80	....	2 00	....	....	....	....
192	9 00	9 00	1 60	3 00	1 20	....	2 50	....	....	....	....
193	13 00	13 00	1 90	4 00	1 40	....	3 00	....	....	....	....
194	16 00	16 00	2 40	6 00	1 50	....	3 50	....	....	....	....
195	22 00	22 00	2 80	7 00	1 50	....	5 00	....	....	....	....

Price List Extra Parts

Vise No.	Body	Front or Sliding Jaw	Back Jaw	Detachable Steel Jaw Face —Each	Screw and Lever	Nut	Swivel Base	Pipe Jaws per Set	Base with Column	Upper or Sliding Jaw	Nut and Lever
207	$2 50	$2 00	....	$1 00	$1 50	$0 50	....	....	....	....	....
208	2 50	2 00	....	1 00	1 50	50	$1 50	....	....	....	....
209	3 00	2 50	....	1 10	1 70	60	....	....	....	....	....
210	3 00	2 50	....	1 10	1 70	60	1 80	....	....	....	....
211	3 50	2 70	....	1 20	1 80	70	....	....	....	....	....
212	3 50	2 70	....	1 20	1 80	70	2 00	....	....	....	....
213	4 00	3 00	....	1 30	2 00	80	....	....	....	....	....
214	4 00	3 00	....	1 30	2 00	80	2 00	....	....	....	....
215	5 00	3 50	....	1 40	2 50	80	....	....	....	....	....
216	5 00	3 50	....	1 40	2 50	80	2 50	....	....	....	....
217	6 00	5 00	....	1 60	3 00	1 20	....	....	....	....	....
218	6 00	5 00	....	1 60	3 00	1 20	3 00	....	....	....	....
219	7 00	6 50	....	1 90	3 00	1 20	....	....	....	....	....
220	7 00	6 50	....	1 90	3 00	1 20	3 50	....	....	....	....
221	10 00	9 00	....	2 20	3 50	1 50	....	....	....	....	....
222	10 00	9 00	....	2 20	3 50	1 50	4 00	....	....	....	....
223	13 00	11 00	....	2 40	4 50	1 60	....	....	....	....	....
224	13 00	11 00	....	2 40	4 50	1 60	6 00	....	....	....	....
225	16 00	15 00	....	2 80	6 00	2 00	....	....	....	....	....
226	16 00	15 00	....	2 80	6 00	2 00	8 00	....	....	....	....
229	6 50	6 00	....	....	3 00	1 20	....	....	....	....	....
230	6 50	6 00	....	....	3 00	1 20	3 00	....	....	....	....
231	10 00	9 00	....	....	4 00	1 20	....	....	....	....	....
232	10 00	9 00	....	....	4 00	1 20	3 50	....	....	....	....
285	....	....	....	....	....	....	....	$1 50	$3 50	$1 00	$1 50
286	....	....	....	....	....	....	....	2 00	6 00	1 50	2 00
288	....	....	....	....	....	....	....	2 50	10 00	2 00	3 00
300	1 20	1 50	....	....	60	40	....	....	....	....	....
301	1 50	1 80	....	....	1 00	40	....	....	....	....	....
302	1 50	1 80	....	....	1 00	50	....	....	....	....	....
303	1 50	2 00	....	....	1 20	50	....	....	....	....	....
304	2 00	3 00	....	....	1 30	50	....	....	....	....	....
305	3 00	4 00	....	....	2 00	50	....	....	....	....	....
306	4 00	5 00	....	....	2 50	50	....	....	....	....	....
307	5 00	6 50	....	....	3 00	70	....	....	....	....	....
308	6 50	7 50	....	....	3 50	80	....	....	....	....	....
326	5 00	6 50	....	....	3 00	70	....	....	....	....	....
401	6 00	6 00	....	1 30	2 50	80	2 00	2 00	....	....	....
402	9 00	9 00	....	1 60	3 00	1 20	2 50	2 50	....	....	....
403	13 00	13 00	....	1 90	4 00	1 20	3 00	3 00	....	....	....
411	6 00	6 00	....	1 30	2 50	80	....	2 00	....	....	....
412	9 00	9 00	....	1 60	3 00	1 20	....	2 50	....	....	....
413	13 00	13 00	....	1 90	4 00	1 20	....	3 00	....	....	....
											Rack
612	....	4 00	$4 00	....	1 50	....	....	....	....	....	3 00
613	....	6 00	6 00	....	2 50	....	....	....	....	....	4 50
700	1 80	1 80	....	....	1 50	60	70	80	....	....	....
700½	2 00	2 00	....	....	1 80	70	80	1 00	....	....	....
701	3 00	3 00	....	....	2 00	70	1 00	1 00	....	....	....
702	4 00	4 00	....	....	2 50	1 20	1 60	1 50	....	....	....
703	7 00	7 00	....	....	4 00	1 20	2 50	2 00	....	....	....
704	10 00	10 00	....	....	5 00	1 50	....	3 00	....	....	....
711	3 00	3 00	....	....	2 00	70	....	1 00	....	....	....
712	4 00	4 00	....	....	2 50	1 20	....	1 50	....	....	....
713	7 00	7 00	....	....	4 00	1 20	....	2 00	....	....	....

Price List Extra Parts

Vise Number	Body	Front or Sliding Jaw	Back Jaw	Screw and Lever	Nut	Swivel Base	Pipe Jaws per Set
800	$1 50	$1 00	....	$0 60	$0 50	....	....
801	1 50	1 00	....	60	50	....	....
802	1 80	1 30	....	80	50	....	....
903	2 50	3 50	$2 50	2 00	50	....	....
904	3 50	3 50	2 50	2 00	50	$2 00	....
905	4 00	4 00	3 00	2 00	60	....	....
906	4 50	4 00	3 00	2 00	60	2 00	....
907	4 00	5 00	3 50	2 50	70	....	....
908	5 00	5 00	3 50	2 50	70	2 00	....
909	6 00	6 00	4 00	2 50	80	....	....
910	7 00	6 00	4 00	2 50	80	2 50	....
911	7 00	7 00	4 50	3 00	1 00	....	....
912	8 50	7 00	4 50	3 00	1 00	3 00	....
913	10 00	10 00	6 00	3 50	1 20	....	....
914	11 00	10 00	6 00	3 50	1 20	4 00	....
915	12 00	11 50	7 50	4 00	1 50	....	....
916	14 00	11 50	7 50	4 00	1 50	5 00	....
917	16 00	15 00	10 00	5 00	1 80	....	....
918	17 00	15 00	10 00	5 00	1 80	6 00	....
919	22 00	22 00	12 00	6 00	2 00	....	....
920	24 00	22 00	12 00	6 00	2 00	8 00	....
925	7 00	7 00	4 50	3 00	1 00	....	....
926	8 00	7 00	4 50	3 00	1 00	3 00	....
934	4 50	3 50	....	2 00	60	1 50	....
935	4 00	3 50	....	2 00	60	....	....
936	5 00	4 50	....	2 50	70	2 00	....
937	4 50	4 50	....	2 50	70	....	....
938	6 00	5 50	....	3 00	80	2 50	....
939	5 00	5 50	....	3 00	80	....	....
940	7 00	7 00	....	3 00	1 00	2 50	....
941	6 50	7 00	....	3 00	1 00	....	....
942	9 00	9 00	....	3 50	1 20	3 00	....
943	8 00	9 00	....	3 50	1 20	....	....
944	11 50	11 00	....	4 50	1 50	4 00	....
945	10 00	11 00	....	4 50	1 50	....	....
946	14 50	15 00	....	6 00	1 80	5 00	....
947	13 00	15 00	....	6 00	1 80	....	....
948	20 00	20 00	....	7 00	2 00	7 00	....
949	18 00	20 00	....	7 00	2 00	....	....
953	5 00	5 50	....	3 00	80	....	....
954	6 00	5 50	....	3 00	80	2 50	....
955	6 50	7 00	....	3 00	1 00	....	....
956	7 00	7 00	....	3 00	1 00	2 50	....

No.	Base	Frame	Latch	Screw and Lever	Slide	Pipe Jaws per Set
B	$1 50	$0 80	$0 30	$1 50	$0 40	$1 20
C	2 20	1 00	40	1 70	50	1 60
D	3 50	2 00	80	2 00	70	2 00

TELEGRAPHIC CODE

PRICE—Wire price and delivery.
QUERY—Wire how soon you can ship.

FRAIL—Ship by freight.
EXCEL—Ship by express.

Code Word	Vise No.	Code Word	Vise No.	Code Word	Vise No.
Ash	12	Jibe	112	Shaft	169
Ball	52	Jolt	113	Shop	19
Base	50	Jump	114	Short	73
Basket	96	Lead	30	Show	162
Bat	55	Leader	95	Silver	31
Beech	27	Left	74	Sinker	97
Black	4	Line	93	Smart	155
Blue	3	Maple	10	Smoke	161
Brass	32	Metal	34	Snow	160
Bronze	33	Milk	212	Song	154
Brown	6	Mill	20′	Spoke	68
Catcher	54	Mire	210	Steel	34½
Cedar	612	Mix	208	Step	168
Centre	75	Moon	211	Sterling	66
Copper	35	Mouth	209	Stiff	164
Elbow	183	Mow	207	Stock	67
Engine	19½	Nickel	38	Strap	69
Factory	21	Oak	26	Straw	163
File	42	Office	18	Strike	51
First	70	Pipe	182	Sugar	152
Fly	53	Pitcher	59	Sweet	153
Forge	23	Plate	57	Switch	65
Foundry	22	Plug	181	Third	72
Gold	36	Rasp	47	Tin	39½
Green	2	Red	5	Trout	99
Grey	2½	Rifle	92	Tube	182½
Gun	91	Right	76	Union	185
Hang	800	Road	180	Walnut	613
Hard	801	Robin	180½	White	1
Harp	802	Rod	90	Zeal	B
Home	58	Run	56	Zebra	C
Hook	94	Salt	156	Zenith	D
Iron	37	Sand	161½	Zinc	39
Jack	110	School	158		
Jest	111	Second	71		

Cable Address: "Prentvise, Newyork." Western Union Code